July 2016
900908-001
Rev 02

TouchTunes

PLAYDIUM Payment Door FRU Installation Guide

Purpose

This document provides information about the Playdium Payment Door Field-Replaceable Unit (TouchTunes p/n: 600221-001) and shows how to perform its replacement on a Playdium jukebox.

Audience

- TouchTunes Playdium Jukebox Operators
- TouchTunes field service and customer support

Estimated Time

30 minutes

Required Personnel

1 Technician

This document includes the following task types:

☐	Software
☑	Electrical
☑	Mechanical
☐	Packaging

Topics

- Important Safety Information
- Included in This Kit
- The most up-to-date versions of this document can be found on the Product & Warranty site, at http://productwarranty.touchtunes.com.
- Removing the Payment Door
- Assembling the Replacement Door
- Adjusting the Door Height
- Finishing Up
- Contacting TouchTunes Technical Support

Important Safety Information

WARNING: When performing this procedure or any other maintenance on the jukebox, the unit must be powered off.

IMPORTANT: A properly-grounded anti-static wrist strap should be worn at all times during the procedure presented below.

Included in This Kit

Ensure that you have received all the required parts before proceeding with this installation.

Part	Amount	TouchTunes Part #
Playdium Payment Door FRU kit, which includes:	1	600221-001
• Payment Door Assembly, which comes pre-assembled with:	1	401413-002
• Latch bar	1	401234-001
• Key lock with bracket, cam, and screws	1	multiple P/Ns
• Mechanical counter	1	100248-006
• Parts bag #1, which contains:	1	
• Philips screw, M4x12mm, zinc	8	200244-012
• Parts bag #2, which contains:	1	
• Mounting plate for door hinge	2	401383-001
• Philips screw, M4x12mm	4	200190-012
• Parts bag #3 for door damper and door tether	1	
• Door damper with Philips screw	1	401235-001
• FAS, SCR, X-PAN, SEMS, M4X6, ZN	1	200244-006
• FAS, WSHR, M4, 12MMOD, .9MM-1.1MM	1	200259-001
• Cable ties, nylon, 15 cm	10	200018-006
• This document	1	900908-001

Note: The most up-to-date versions of this document can be found on the Product & Warranty site, at http://productwarranty.touchtunes.com.

Before You Begin

Important: The following steps all need to be performed on the Playdium chassis with the core removed.

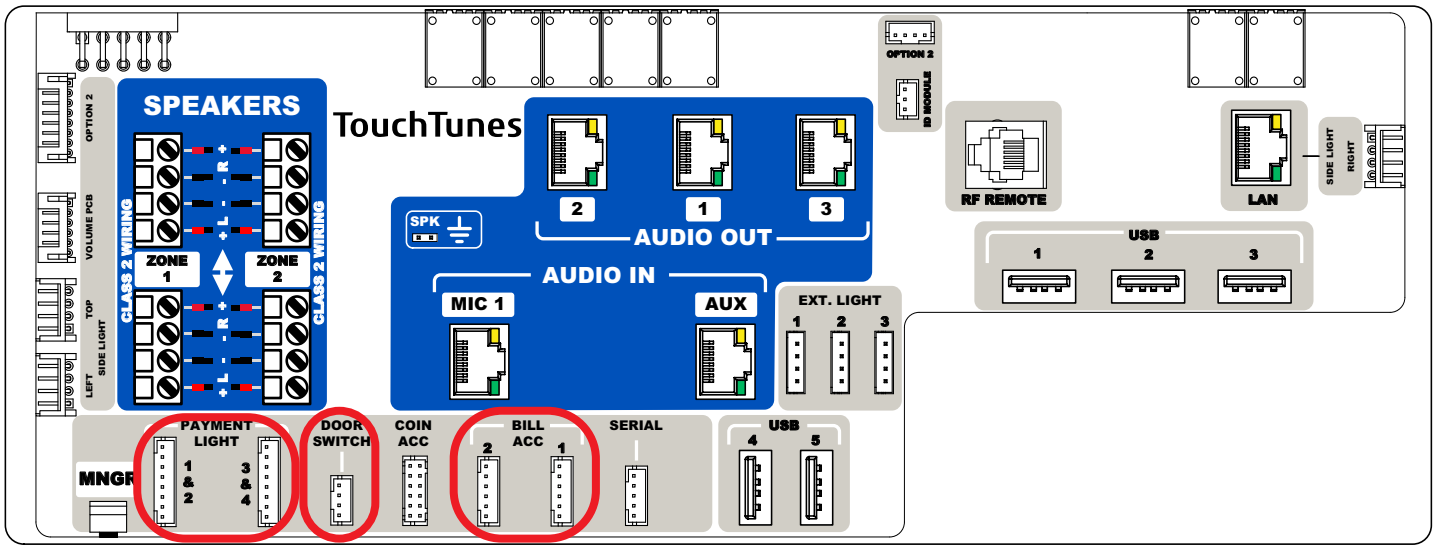
The proper procedure for ejecting the core from the chassis appears in both the Playdium Quick Start Guide (TouchTunes p/n 900785-001) and the Playdium Installation and Setup Guide (TouchTunes p/n 900774-001). This guide assumes that you have already removed the core from the chassis, and does not provide the steps to replace the core on its chassis, at the end of the procedure.

Once you have removed the core from the chassis, set it aside on a clean, level surface where it won't be in your way while working on the chassis.

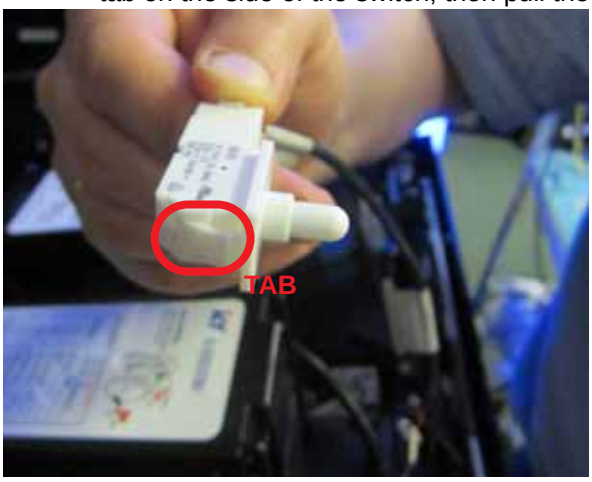
Removing the Payment Door

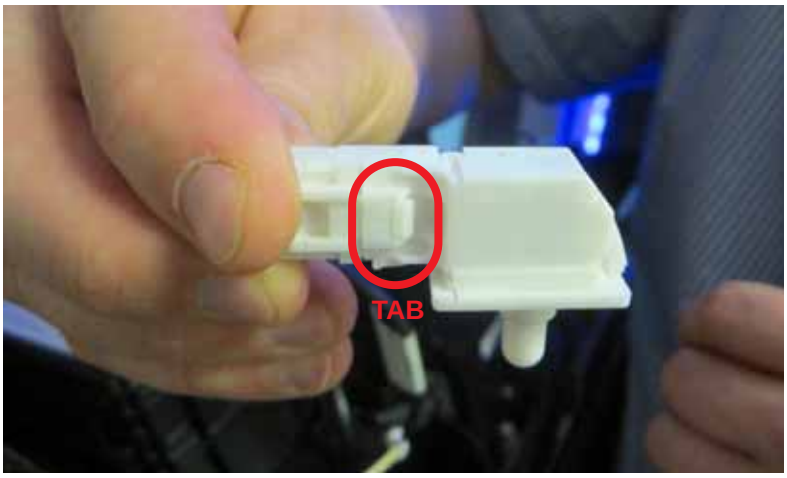
You must remove the payment door and disassemble it to move some of its components to the new payment door.

1. Disconnect every cable that connects to the payment door or one of its components, including:
   - Bill acceptor(s): disconnect the cable from the backplane.
   - Payment means backlighting: disconnect the cables from the backplane.

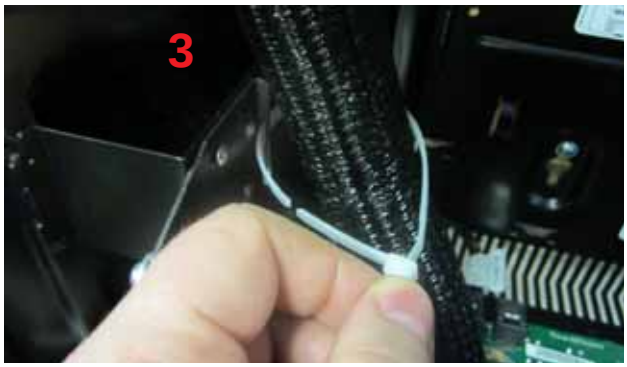


   - Door switch: First, you must disconnect the cable that goes from the door switch to the backplane. Then, pull out the door switch by pressing on a tab on the left side of the switch, and pushing the switch out the front. Press the tab on the side of the switch, then pull the connector out.



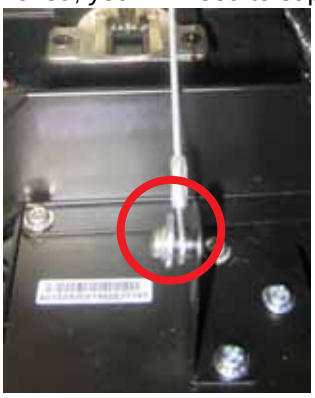


2. Unfasten the damper by removing the screw that holds it to the chassis.



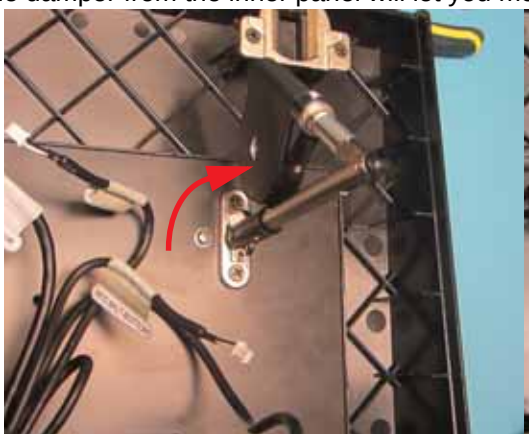
3. Cut the zip tie that holds the cable bundle to the chassis, and remove it.

4. If the payment door is also held up by a metal cable tether on the left side, you will have to remove the screw that holds the washer, which holds the tether to the door, and then un-hook the tether from the door. From here until the door has been removed, you will need to support it to prevent it from going down too far, and getting damaged.

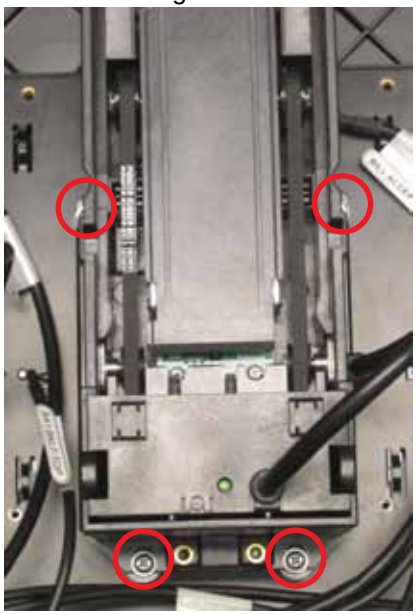


5. Loosen the hinges by loosening (but not removing) the screws circled below on each hinge.

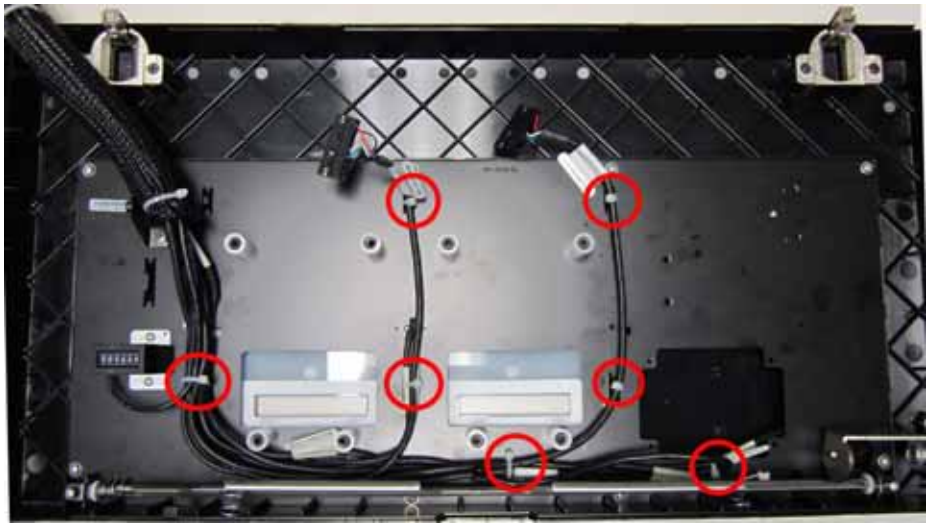
6. Removing the damper from the inner panel will let you move it out of your way. Turn it one quarter turn, then pull it off.



7. For each bill acceptor, remove the four screws and pull off the bill acceptor and set it aside for later. This is usually easier to do after removing the bill stackers.



8. If you want to re-use the mechanical counter from this payment door, remove the two screws from the mechanical counter, and pull it off the panel. A new mechanical counter is already installed on the replacement door, but you can switch it with the existing counter if you prefer.
9. Disconnect all the payment means backlighting cables. There are two connectors per payment means, for a total of 4 connectors.
10. Cut any zip ties that hold cables to the door. The zip ties that need to be cut are indicated with circles in the picture below.

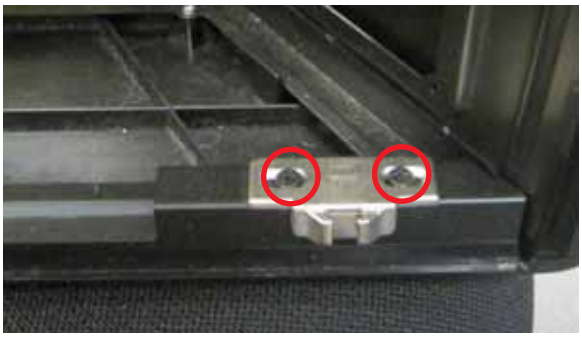


Note how the cables are routed, and where they are attached since you will be reproducing this layout on the replacement door

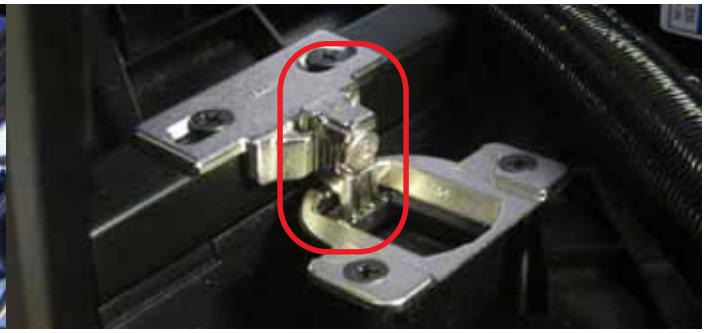
Assembling the Replacement Door

1. Unpack the replacement door, and place it face-down on a level surface.
2. Pull off the inner panel.
3. Secure the cables to the door with zip ties at the same points where you cut zip ties earlier.

4. Reinstall the bill acceptors.
5. Route the cable bundle around the payment means and other payment door components, such that it doesn't prevent any moving parts from moving freely, and doesn't get in the way of any payment means. Due to the lengths of cable used for each backlighting element, there is only one way to route the cables.
6. On the chassis, any door hinge mounting plates can be replaced with the mounting plates provided in bag #2 from this FRU kit. Remove the damaged mounting plate by removing its two screws and pulling it off. Position the replacement mounting plate, and screw it in place using the screws provided in bag #2.



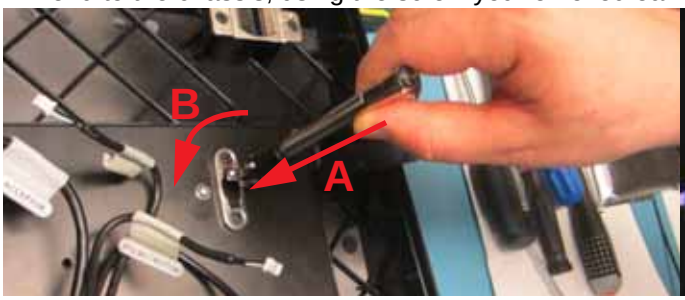
7. Insert the payment door into its hinges.



8. While holding the door and pushing it up slightly to keep the hinges from dropping all the way down, tighten the screw on each hinge. You will be readjusting the height of the door on the hinges in a later step.

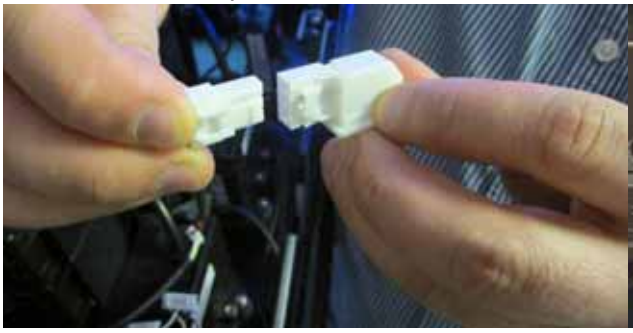
9. Hook the tether to the bracket, then fasten it using the washer and screw that were packaged with the bracket.

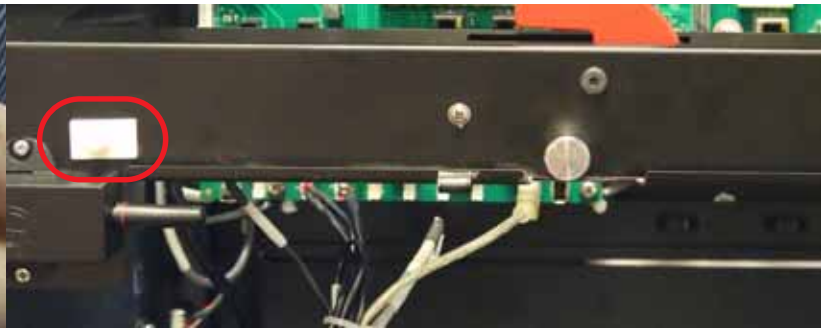
10. Fasten the damper to the door by inserting it into its slot (**A**), and then turning it one quarter-turn (**B**). Fasten the other end to the chassis, using the screw you removed earlier (**C**).



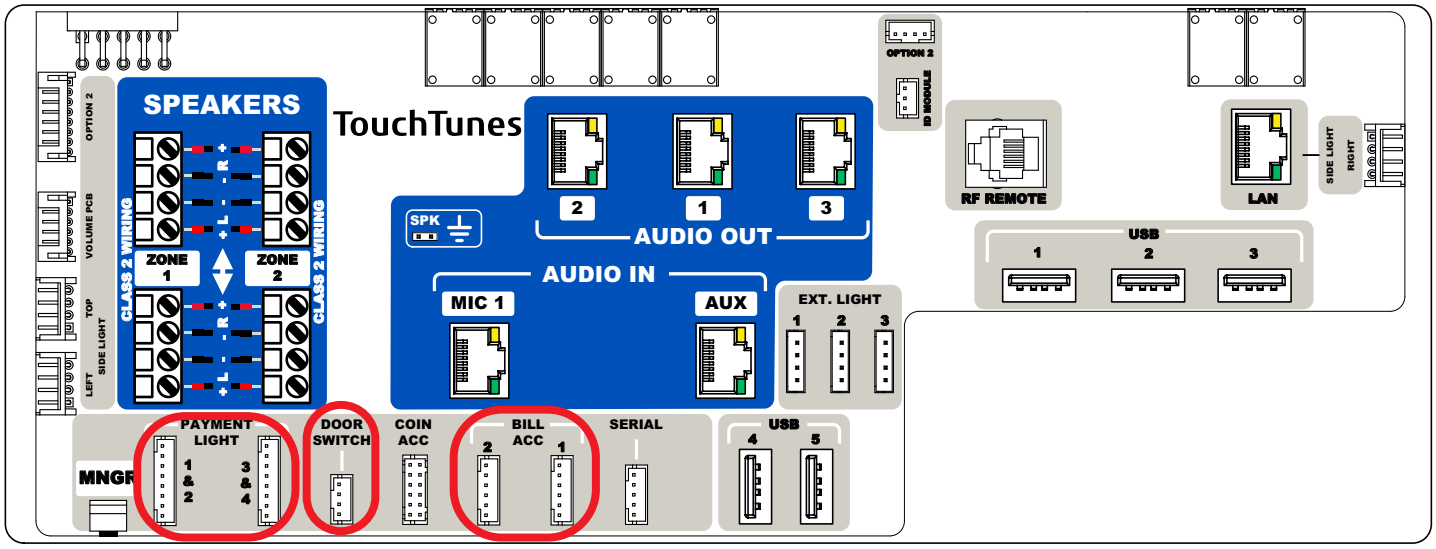
Note: TouchTunes recommends applying Loctite Threadlocker to the screw before performing step C.

11. Reconnect all cables, including:
    - Door switch: run the door switch cable through the door switch hole in the middle bar of the chassis, then reconnect the cable to the switch. Reinsert the switch into position (push until it snaps into place) and finally, connect the cable to the backplane.



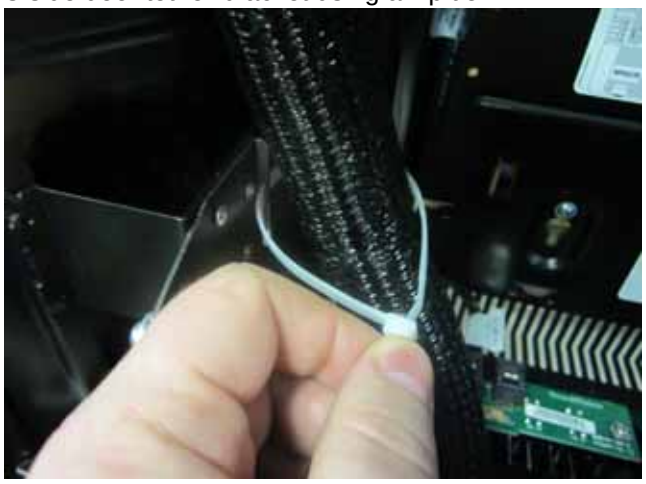


- Payment means backlighting: reconnect to the backplane.



- Bill acceptor(s): reconnect the cable(s) to the backplane. If you had removed the bill stackers, you can now snap them back on.

12. Fasten the cable to the chassis-side door tether bracket using a zip tie.

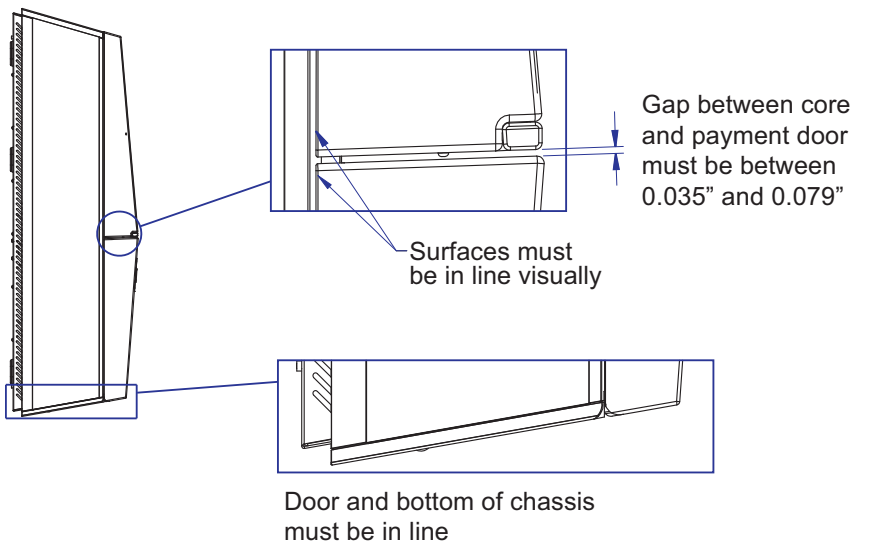


13. Once this is completed, reinstall the core. The proper procedure for installing the core on the chassis appears in both the Playdium Quick Start Guide (TouchTunes p/n 900785-001) and the Playdium Installation and Setup Guide (TouchTunes p/n 900774-001).

Adjusting the Door Height

Close the payment door. If the bill stackers prevent the door from closing or if the door does not snap shut when you push it all the way up, the door may be sitting too low in its hinges. Also, if the door won't shut because it comes up too high, you may need to lower it at the hinges.

The drawing on the right shows how the door should align with the rest of the chassis and with the core, and how thick the gap between the core and the payment door should be.



To adjust the door height:

1. Loosen the single screws in each hinge.

2. Push the door up or down on each hinge, depending on the desired adjustment. Both hinges should be at the same height.
3. While holding the door in position, tighten the screw on each hinge.

Finishing Up

CAUTION: *Do not power up Playdium immediately after installing a core that was brought in from a cold place into a warm place, as condensation may have occurred on internal components. Wait for the unit to reach room temperature before using it.*

1. Set the power switch on the Playdium's power strip to **ON**.

2. Close the payment panel by gently pulling it up and shut, then pressing on its front face to engage the locking mechanism.
3. Secure the payment panel by using the key to lock its case.

Contacting TouchTunes Technical Support

If you need help with or have questions about this document, contact TouchTunes by:

- using the e-mail links on the Contacts page on the operator dashboard at https://operator.touchtunes.com
- calling the TouchTunes 24/7 Technical Support Hotline at 847-353-1954

To help us assist you more effectively with problem reports, this information may be required when contacting TouchTunes:

- Jukebox model
- Jukebox ID
- The serial number of any affected component
- The date/time of the problem
- Actions performed immediately before the problem occurred

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